**STEM Learner Readiness Subcommittee**

**January 11, 2012**

**Brainstorming:**

* Discipline specific education/prep
* Intuitive understanding - flipped classroom, integration, learning by doing, project based learning
* Career awareness - eng. study
* Literacy (STEM)
* Cultural awareness, making a difference
* Communication skills
* Problem solving/engagement
* New technologies
* Over arching - 21st Century Skills
* Pilot schools - delivery of instruction, Ohio model, high tech/new tech, also Exemplar schools in Iowa, new delivery model, innovation zones from Blueprint
* Base knowledge - base readiness
* Common core - seamless transfer of knowledge/accountability
* Transfer of knowledge is transfer of credit?
* Common data base - classroom resources
* Teacher tools - partners/role models/support
* Business & industry connection - high skill knowledge for Iowa

**Themes:**

* Transfer of knowledge vs.credit discipline specific
* Integrity of implementation of common core and accountability (discipline specific education and intuitive understanding) and assessment
* Career awareness - integrated, both 4 yr. and 2. Yr. degrees
* Identify elements In the common core
* Align iowa's Professional development to project based model

**Mission Statement:**

* Our goal is to set aspirations for students to be literate in STEM topics and have students ready for STEM careers.
* Develop a foundation for STEM literacy for all students through an educational process ….?